

## CLAIMS

**I Claim:**

1. An implement mounting system, comprising:

a support frame;

a ball joint attached to said support frame;

a support arm having a first end and a second end, wherein said first end is

9 attached to said ball joint and wherein said second end receives an attachment structure  
10 for an implement; and

a brace member attached between said support frame and said support arm, in said brace member has an angle with respect to said support arm for reducing side movement of said support arm.

2. The implement mounting system of Claim 1, wherein said ball joint is comprised of a ball-and-socket structure for providing various pivoting movements of support arm.

3. The implement mounting system of Claim 1, wherein said angle between support arm and said brace member is less than seventy-five degrees and greater than degrees.

4. The implement mounting system of Claim 1, wherein said angle between support arm and said brace member is less than fifty-five degrees and greater than degrees.

1  
2       5. The implement mounting system of Claim 1, wherein said brace member is  
3 attached to said support frame via a ball-and-socket joint.

4  
5  
6       6. The implement mounting system of Claim 5, wherein said brace member is  
7 attached to said support arm via a ball-and-socket joint.

8  
9  
10      7. The implement mounting system of Claim 1, wherein said brace member is  
11 attached to a cross member, wherein said cross member is attached transversely to said  
12 support arm.

13  
14  
15      8. The implement mounting system of Claim 7, wherein said cross member  
16 receives a pair of vertical actuators for allowing control of the lift and roll.

17  
18  
19      9. The implement mounting system of Claim 7, wherein said brace member is  
20 attached near a distal end of said cross member.

21  
22  
23      10. The implement mounting system of Claim 9, wherein said distal end of  
24 said cross member is on an opposite side of said support arm of where said brace  
25 member is attached to said support frame.

26  
27  
28      11. The implement mounting system of Claim 7, wherein said cross member is  
29 attached to a central location upon said support arm.

1  
2  
3       12. The implement mounting system of Claim 1, wherein said brace member is  
4 attached to a rear support of said support frame.  
5  
6

7       13. The implement mounting system of Claim 1, wherein said brace member is  
8 attached to a side support of said support frame.  
9  
10

11       14. An implement mounting system for supporting an implement utilized upon  
12 a tractor, comprising:  
13           a ball joint;  
14           a support arm having a first end and a second end, wherein said first end is  
15 attached to said ball joint and wherein said second end receives an attachment structure  
16 for an implement; and  
17           a brace member attached to said support arm, wherein said brace member has  
18 an angle with respect to said support arm for reducing side-to-side movement of said  
19 support arm.  
20  
21

22       15. The implement mounting system of Claim 14, wherein said ball joint is  
23 comprised of a ball-and-socket structure for providing various pivoting movements of  
24 said support arm.  
25  
26

27       16. The implement mounting system of Claim 14, wherein said angle between  
28 said support arm and said brace member is less than seventy-five degrees and greater  
29 than ten degrees.  
30

1  
2  
3        17. The implement mounting system of Claim 14, wherein said angle between  
4        said support arm and said brace member is less than fifty-five degrees and greater than  
5        ten degrees.

6  
7  
8        18. The implement mounting system of Claim 14, wherein said brace member  
9        is attached to said support arm via a ball-and-socket joint.

10        .  
11  
12        19. The implement mounting system of Claim 14, wherein said brace member  
13        is attached to a cross member, wherein said cross member is attached transversely to  
14        said support arm.

15  
16  
17        20. The implement mounting system of Claim 19, wherein said cross member  
18        receives a pair of vertical actuators for allowing control of the lift and roll.